ELECTRICAL COMMUNICATION INDEX, VOLUME 62 (1988)

Subject Index

	Number	Page
Alcatel8300 Multiprocessor System for Telecommunication Applications, J. Bertin and D. Derville	2	161
Algebraic Specifications to Correct ADA Programs: The ESPRIT Project PROSPECTRA, From, P. de la Cruz and A. Pérez Riesco	3/4	265
Antenna for the Eutelsat II Satellites, Reconfigurable Multibeam, G. Duret and T. Guillemin	1	75
Antennas: A Key Technical Area for Satellites, B. Vidal Saint-André	1	67
Artificial Intelligence Technologies for Real-Time and Object-Oriented Applications, F. Barachini and Ch. Benoit	3/4	273
ATM Network, Data Communication in an, M. De Prycker	3/4	333
BERKOM Test Network and BISDN/CATV Concept, G. Domann	3/4	325
BISDN/CATV Concept, BERKOM Test Network and, G. Domann	3/4	325
CCITT No 7 Signaling in Alcatel E10 Exchanges, Field Experience with, J-C. Pennanec'h	2	190
CCITT No 7 Signaling with System 12 in Norway, Field Experience using, T. A. Halvorsen, S. Rossavik, and J. Van de Briel	2	195
Characterization of Optical Devices for Space Applications, A. Aguilar	1	106
Columbus Space Stations, Local Area Network for, P. Alonso, L. Bermejo, and V. Quilez	1	113
Communication Satellite, Telemetry, Tracking and Command System for the Kopernikus, F. Gass and M. Kracht	1	81
Communication System for Developing Countries, Satellite, J. Esculier, A. Parnière, and J. Salomon	1	42
Data Communication in an ATM Network, M. De Prycker	3/4	333
Data Demodulator for Deep Space Applications, High Performance, T. Tack	1	92
Data Networks, Microstation System for Corporate, A. F. Beaucent, J. Bousquet, and G. Guillemaud	1	35
Data Transmission System, Telecom 1, J. Bléret, A. Demars, and A. Karas	1	27
Data Transmission Using ATM Cells, New Protocol for, J. Coupaye, G. Gastaud, and G. Le Bihan	3/4	338
Data Transport Services on ISDN, R. Liebscher	2	128
Direct Broadcasting Television Satellite, Payload for the TDF1, X. Rozec	1	49
Earth Observation Satellites, Image Transmission Link for, G. Schang and P. Van der Stock	1	98
Earth Stations for New Standards, Systems and Services, G. Lefrançois	1	12
Etching of Semiconductors and Metals, Excimer Laser-Induced, J-L. Peyre, D. Rivière, C. Vannier, and G. Villela	3/4	222
Eutelsat II Satellites, Reconfigurable Multibeam Antenna for the, G. Duret and T. Guillemin	1	75
Evolution of the DPS1500 Packet Switching System, J. Anthoni, F. J. M. Heitkamp, and C. Vander Straeten	2	209
Excimer Laser-Induced Etching of Semiconductors and Metals, J-L. Peyre, D. Rivière, C. Vannier, and G. Villela	3/4	222
Experimental Secure Distributed Information System, C. Fritzner, K. Presttun, J-T Richardsen, and G. Søberg	3/4	310
E10 Exchanges, Field Experience with CCITT No 7 Signaling in Alcatel, J-C. Pennanec'h	2	190
E10 Exchanges, ISDN/Packet Switching with Alcatel, F. Leclerc	2	144
Fiber Optic LAN/MAN Architectures for Coherent Optical Transmission, A. Fioretti, C. A. Rocchini, S. R. Treves, and L. Torchin	3/4	343
Field Experience using CCITT No 7 Signaling with System 12 in Norway, T. A. Halvorsen, S. Rossavik, and J. Van de Briel	2	195
Field Experience with CCITT No 7 Signaling in Alcatel E10 Exchanges, J-C. Pennanec'h	2	190
From Algebraic Specifications to Correct ADA Programs: The ESPRIT Project PROSPECTRA, P. de la Cruz and A.Pérez Riesco	3/4	265
Global Positioning System, Position Tracking of Spacecraft Using the, W. Beier and H. Kallerhoff	1	87
High Performance Data Demodulator for Deep Space Applications, T. Tack	1	92
High Speed Optoelectronic Transmission Systems, R. Heidemann	3/4	318
Image Transmission Link for Earth Observation Satellites, G. Schang and P. Van der Stock	1	98
Information System, Experimental Secure Distributed, C. Fritzner, K. Presttun, J-T Richardsen, and S. Søberg	3/4	310
Introduction to Space Systems, J-C. Husson	1	4
ISDN, Data Transport Services on, R. Liebscher	2	128
ISDN/Packet Switching: An Overview, A. Chalet	2	141
ISDN/Packet Switching: Packet Access Point, D. Robert	2	156
ISDN/Packet Switching with Alcatel E10 Exchanges, F. Leclerc	2	144
ISDN/Packet Switching with System 12, A. Chalet, D. Deloddere, M. Fucito, and L. Katzschner	2	147
LAN/MAN Architectures for Coherent Optical Transmission, Fiber Optic, A. Fioretti, C. A. Rocchini, S. R. Treves, and L. Torchin	3/4	343

	Number	Page
Light Gates For High Resolution, High Speed Printing, R.Dorn	3/4	229
Local Area Network for Columbus Space Stations, P. Alonso, L. Bermejo, and V. Quilez	1	113
Message Handling System DPX400, G. Clément and R. Gallusser	2	168
Microelectronics , Research and Technology in, J. Danneels, A. Mozer, and M. Rahier	3/4	352
Microstation System for Corporate Data Networks, A. F. Beaucent, J. Bousquet, and G. Guillemaud	1	35
Military Satellite Communication System, Syracuse, P. Mollat du Jourdin	1	19
Multibeam Antenna for the Eutelsat II Satellites, Reconfigurable, G. Duret and T. Guillemin	1	75
Multiprocessor System for Telecommunication Applications, Alcatel8300, J. Bertin and D. Derville	2	161
Network Management Systems, F. Kiel and F. Peeters	2	134
New Hybrid Spaceborne Receivers, A. Cerro and D. Parise	1	61
New Protocol for Data Transmission Using ATM Cells, J. Coupaye, G. Gastaud, and G. Le Bihan	3/4	338
Onboard Multicarrier Demodulation for Nontransparent Satellite Repeaters, M-L. Boucheret	3/4	302
Optical Devices for Space Applications, Characterization of, A. Aguilar	1	106
Optical Fibers, Preform Technologies for, R. Dorn and C. Le Sergent	3/4	235
Optical Transmission, Fiber Optic LAN/MAN Architectures for Coherent, A. Fioretti, C. A. Rocchini, S. R. Treves, and L. Torchin	3/4	343
Optoelectronic Components, Production of, C. Amouroux, J-P. Pestie, and I. R. Isert	3/4	251
Optoelectronic Components, Research into, O. Hildebrand, J. Benoit, and E. Duda	3/4	242
Optoelectronic Transmission Systems, High Speed, R. Heidemann	3/4	318
Overview, J. Imbert	1	2
Overview	2	126
Overview. H. Ohnsorge	3/4	220
Packet Access Point, ISDN/Packet Switching:, D. Robert	2	156
Packet Switching System DPS2500, M. Ducourant and R. François	2	178
Packet Switching System, Evolution of the DPS1500, J. Anthoni, F. J. M. Heitkamp, and C. Vander Straeten	2	209
Payload for the TDF1 Direct Broadcasting Television Satellite, X. Rozec	1	49
Position Tracking of Spacecraft Using the Global Positioning System, W. Beier and H. Kallerhoff	1	87
Preform Technologies for Optical Fibers, R. Dorn and C. Le Sergent	3/4	235
Printing, Light Gates for High Resolution, High Speed, R. Dorn,	3/4	229
Production of Optoelectronic Components, C. Amouroux, J-P. Pestie, and I. R. Isert	3/4	251
Receivers, New Hybrid Spaceborne, A. Cerro and D. Parise	1	61
Recent Achievements in Speech Processing Technologies and Their Applications, M. Immendoerfer and E. Mumolo	3/4	288
Reconfigurable Multibeam Antenna for the Eutelsat II Satellites, G. Duret and T. Guillemin	1	75
Repeaters for the 1990s, Telecommunication Satellite, J. Beaucher	1	55
Research and Technology in Microelectronics, J. Danneels, A. Mozer, and M. Rahier	3/4	352
Research into Optoelectronic Components, O. Hildebrand, J. Benoit, and E. Duda	3/4	242
Response Time Optimization by Task Priority Assignment, M. Villén-Altamirano	3/4	280
Satellite Communication System for Developing Countries, J. Esculier, A. Parnière, and J. Salomon	1	42
Satellite Communication System, Syracuse Military, P. Mollat du Jourdin	1	19
Satellite Repeaters for the 1990s, Telecommunication, J. Beaucher	1	55
Satellite Repeaters, Onboard Multicarrier Demodulation for Nontransparent, M-L. Boucheret	3/4	302
Satellites, Antennas: A Key Technical Area for, B. Vidal Saint-André	1	67
Satellites, Image Transmission Link for Earth Observation, G. Schang and P. Van der Stock	1	98
Signaling Transfer Point DPC700, J. Lamy	2	174
Signaling Transfer Point, System 12, G. Marx, M. Smouts, and W. Röger	2	202
Software Systems, Specification, Design, Prototyping and Verification of, J. De Man, L. Duponcheel, W. Van Puymbroeck, and R. Pérez Domínguez	3/4	259
Speech Processing Technologies and Their Applications, Recent Achievements in, M. Immendoerfer and E. Mumolo	3/4	288
Syracuse Military Satellite Communication System, P. Mollat du Jourdin	1	19
System 12 in Norway, Field Experience using CCITT No 7 Signaling with, T. A. Halvorsen, S. Rossavik, and J. Van de Briel	2	195
System 12, ISDN/Packet Switching with, A. Chalet, D. Deloddere, M. Fucito, and L. Katzschner	2	147
System 12 Signaling Transfer Point, G. Marx, M. Smouts, and W. Röger	2	202
Task Priority Assignment, Response Time Optimization by, M. Villén-Altamirano	3/4	280
Telecommunication Satellite Repeaters for the 1990s, J. Beaucher	1	55
Telecom 1 Data Transmission System, J. Bléret, A. Demars, and A. Karas	1	27
Telemetry, Tracking and Command System for the Kopernikus Communication Satellite, F. Gass and M. Kracht	1	81
Television Satellite, Payload for the TDF1 Direct Broadcasting, X. Rozec	1	49
Transmission Systems, High Speed Optoelectronic, R. Heidemann	3/4	318
Video Coding Family for STM and ATM Networks, R. Heiss, A. Rousseau, and W. Verbiest	3/4	294
Videotex Access Point DPV105, M. Fournier and G. Oliver	2	184

ELECTRICAL COMMUNICATION INDEX, VOLUME 62 (1988)

Author Index

	Number	Page
Aguilar, A., Characterization of Optical Devices for Space Applications	1	106
Alonso, P., Bermejo, L., and Quilez, V., Local Area Network for Columbus Space Stations	1	113
Amouroux, C., Pestie, J-P., and Isert, I.R., Production of Optoelectronic Components	3/4	251
Anthoni, J., Heitkamp, F. J. M., and Vander Straeten, C., Evolution of the DPS1500 Packet Switching System	2	209
Barachini, F., Benoit, Ch., Artificial Intelligence Technologies for Real-Time and Object-Oriented Applications	3/4	273
Beaucent, A. F., Bousquet, J., and Guillemaud, G., Microstation System for Corporate Data Networks	1	35
Beaucher, J., Telecommunication Satellite Repeaters for the 1990s	1	55
Beier, W., and Kallerhoff, H., Position Tracking of Spacecraft Using the Global Positioning System	1	87
Benoit, Ch., *see* Barachini, F.		
Benoit, J., *see* Hildebrand, O.		
Bermejo, L., *see* Alonso, P.		
Bertin, J., and Derville, D., Alcatel8300 Multiprocessor System for Telecommunication Applications	2	161
Bléret, J., Demars, A., and Karas, A., Telecom 1 Data Transmission System	1	27
Boucheret, M-L., Onboard Multicarrier Demodulation for Nontransparent Satellite Repeaters	3/4	302
Bousquet, J., *see* Beaucent, A. F.		
Cerro, A., and Parise, D., New Hybrid Spaceborne Receivers	1	61
Chalet, A., ISDN/Packet Switching: An Overview	2	141
Chalet, A., Deloddere, D., Fucito, M., and Katzschner, L., ISDN/Packet Switching with System 12	2	147
Clément, G., and Gallusser, R., Message Handling System DPX400	2	168
Coupaye, J., Gastaud, G., and Le Bihan, G., New Protocol for Data Transmission Using ATM Cells	3/4	338
Danneels, J., Mozer, A., and Rahier, M., Research and Technology in Microelectronics	3/4	352
De la Cruz, P., Pérez Riesco, A., From Algebraic Specifications to Correct ADA Programs: The ESPRIT Project PROSPECTRA	3/4	265
Deloddere, D., *see* Chalet, A.		
De Prycker, M., Data Communication in an ATM Network	3/4	333
De Man, J., Duponcheel, L., Van Puymbroeck W., and Pérez Domínguez, R., Specification, Design, Prototyping, and Verification of Software Systems	3/4	259
Demars, A., *see* Bléret, J.		
Derville, D., *see* Bertin, J.		
Domann, G., BERKOM Test Network and BISDN/CATV Concept	3/4	325
Dorn, R. Light Gates for High Resolution, High Speed Printing	3/4	229
Durn, R., Le Sergent, C., Preform Technologies for Optical Fibers	3/4	235
Ducourant, M., and François, R., Packet Switching System DPS2500	2	178
Duda, E., *see* Hildebrand, O.,		
Duponcheel, L. *see* De Man, J.		
Duret, G., and Guillemin, T., Reconfigurable Multibeam Antenna for the Eutelsat II Satellites	1	75
Esculier, J., Parnière, A., and Salomon, J., Satellite Communication System for Developing Countries	1	42
Fioretti, A., Rocchini, C. A., Treves, S. R., and Torchin, L., Fiber Optic LAN/MAN Architectures for Coherent Optical Transmission	3/4	343
Fournier, M., and Oliver, G., Videotex Access Point DPV105	2	184
François, R., *see* Ducourant, M.		
Fritzner, C., Presttun, K., Richardsen, J-T., and Søberg G., Experimental Secure Distributed Information System	3/4	310
Fucito, M., *see* Chalet, A.		
Gallusser, R., *see* Clément, G.		
Gass, F., and Kracht, M., Telemetry, Tracking and Command System for the Kopernikus Communication Satellite	1	81
Gastaud, G., *see* Coupaye, J.		
Guillemaud, G., *see* Beaucent, A. F.		
Guillemin, T., *see* Duret, G.		
Halvorsen, T. A., Rossavik, S., and Van de Briel, J., Field Experience using CCITT No 7 Signaling with System 12 in Norway	2	195
Heidemann, R., High Speed Optoelectronic Transmission Systems	3/4	318
Heiss, R., Rousseau, A., and Verbiest, W., Video Coding Family for STM and ATM Networks	3/4	294
Heitkamp, F. J. M., *see* Anthoni, J.		
Hildebrand, O., Benoit, J., Duda,E., Research into Optoelectronic Components	3/4	242
Husson, J-C., Introduction to Space Systems	1	4
Imbert, J., Overview	1	2
Immendoerfer, M., and Mumolo, E., Recent Achievements in Speech Processing Technologies and Their Applications	3/4	288

	Number	Page
Isert, I. R., *see* Amouroux, C.		
Kallerhoff, H., *see* Beier, W.		
Karas, A., *see* Bléret, J.		
Katzschner, L., *see* Chalet, A.		
Kiel, F., and Peeters, F., Network Management Systems	2	134
Kracht, M., *see* Gass, F.		
Lamy, J., Signaling Transfer Point DPC700	2	174
Le Bihan, G., *see* Coupaye, J.		
Leclerc, F., ISDN/Packet Switching with Alcatel E10 Exchanges	2	144
LeFrançois, G., Earth Stations for New Standards, Systems and Services	1	12
Liebscher, R., Data Transport Services on ISDN	2	128
Le Sergent, C., *see* Dorn, R.		
Marx, G., Smouts, M., and Röger, W., System 12 Signaling Transfer Point	2	202
Mollat du Jourdin, P., Syracuse Military Satellite Communication System	1	19
Mozer, A., *see* Danneels, J.		
Mumolo, E., *see* Immendoerfer, M.		
Oliver, G., *see* Fournier, M.		
Parise, D., *see* Cerro, A.		
Parnière, A., *see* Esculier, J.		
Peeters, F., *see* Kiel, F.		
Pennanec'h, J-C., Field Experience with CCITT No 7 Signaling in Alcatel E10 Exchanges	2	190
Pestie, J-P., *see* Amouroux, C.		
Pérez Domínguez, R., *see* De Man, J.		
Pérez Riesco, A., *see* De la Cruz, P.		
Peyre, J-L., Rivière, D., Vannier, C., Villela, G., Excimer Laser-Induced Etching of Semiconductors and Metals	3/4	222
Presttun, K., *see* Fritzner, C.		
Quilez, V., *see* Alonso, P.		
Rahier, M., *see* Danneels, J.		
Richardsen, J-T., *see* Fritzner, C.		
Rivière, D., *see* Peyre, J-L.		
Robert, D., ISDN/Packet Switching: Packet Access Point	2	156
Rocchini, C. A., *see* Fioretti, A.		
Röger, W., *see* Marx, G.		
Rossavik, S., *see* Halvorsen, T. A.		
Rousseau, A., *see* Heiss, R.		
Rozec, X., Payload for the TDF1 Direct Broadcasting Television Satellite	1	49
Salomon, J., *see* Esculier, J.		
Schang, G., and Van der Stock, P., Image Transmission Link for Earth Observation Satellites	1	98
Smouts, M., *see* Marx, G.		
Søberg, G., *see* Fritzner, C.		
Tack, T., High Performance Data Demodulator for Deep Space Applications	1	92
Torchin, L., *see* Fioretti, A.		
Treves, S. R., *see* Fioretti, A.		
Van de Briel, J., *see* Halvorsen, T. A.		
Van der Stock, P., *see* Schang, G.		
Vannier, C., *see* Peyre, J-L.		
Vander Straeten, C., *see* Anthoni, J.		
Van Puymbroeck, W., *see* De Man, J.		
Verbiest, W., *see* Heiss, R.		
Vidal Saint-André, B., Antennas: A Key Technical Area for Satellites	1	67
Villela, G., *see* Peyre, J-L.		
Villén-Altamirano, M., Response Time Optimization by Task Priority Assignment	3/4	280